

Anti-OsK3/4 antibody

Catalog: PHY4700S

Product Information

Description:	Rabbit polyclonal antibody
Background:	OsK3/4 are nuclear serine/threonine protein kinases. As a member of the SnRK1 complex, OsK3 regulates carbohydrate metabolism, root development, and stress responses. OsK4 forms a complex with HDR1 to suppress flowering by modulating Hd1 and Ehd1 expression, and also regulates sugar signaling during germination.
Synonyms:	OSK3, osk3, OsATG1b, ATG1B, OSK5, osk5, OSK35, SnRK1b OSK4, osk4, OsATG1c, ATG1C, SnRK1B, snrk1b, SnRK1B/OSK24, OSK24, OsK4
Immunogen:	KLH-conjugated synthetic peptide (16 aa from central section) derived from <i>Oryza sativa</i> OsK3/4 (Os03g0289100, Os08g0484600).
Form:	Lyophilized
Quantity:	150 µg
Purification:	Serum Peptide affinity form antibody available upon request at info@phytoab.com .
Reconstitution:	Reconstitution with 150 µl of sterile water. "Note: please spin tube briefly prior to opening it to avoid any losses that might occur from lyophilized material adhering to the cap or sides of the tube".
Stability & Storage:	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70°C as supplied. 6 months, -20 to -70°C under sterile conditions after reconstitution. 1 month, 2 to 8°C under sterile conditions after reconstitution.
Shipping:	The product is shipped at 4°C. Upon receipt, store it immediately at the temperature recommended above.

Application Information

Recommended Dilution:	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected / apparent MW:	56 kDa

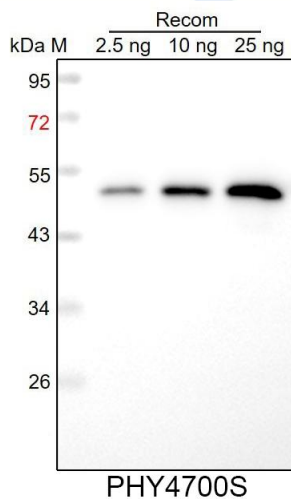
Research Use Only

Predicted Reactivity:

Among species analyzed, the sequence of the synthetic peptide used for immunization is 94% homologues with the sequence in *Panicum virgatum*, *Sorghum bicolor*, *Zea mays*.

For more species homologues information, please contact tech support at tech@phytoab.com.

Application Example



Recom: 2.5 ng, 10 ng and 25 ng recombinant protein containing the peptide for immunization and having a molecular mass of 50 kDa.

Electrophoresis: 12% SDS-PAGE

Transfer: blotting to NC (nitrocellulose) membrane for 1 h.

Blocking: 5% skim milk at RT or 4°C for 1 h.

Primary antibody: 1:1000 dilution overnight at 4°C.

Secondary antibody: 1:10000 dilution using Goat Anti-Rabbit IgG H&L (HRP) (Cat# PHY6000).

Detection: using chemiluminescence substrate and image were captured with CCD camera.